

BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

VOL. 51 NOS. 1,2

CONTENTS

NOVEMBER 1997

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Publisher's Announcement

v

Guidelines for the submission of manuscripts

vii

Research reports

- Differential regulation of genes encoding synaptic proteins by the Oct-2 transcription factor
Z.C. Deans, S.J. Dawson, M.W. Kilimann, D. Wallace, M.C. Wilson and D.S. Latchman (UK, Germany, USA) 1
- Huntington's disease gene product, huntingtin, associates with microtubules in vitro
T. Tukamoto, N. Nukina, K. Ide and I. Kanazawa (Japan) 8
- Regulation of anterior pituitary galanin gene expression by thyroid hormone
S.C. Hooi, J.I. Koenig, D.R. Abraczinskas and L.M. Kaplan (Singapore, USA) 15
- Regional, developmental and interspecies expression of the four NMDAR2 subunits, examined using monoclonal antibodies
D.J. Laurie, I. Bartke, R. Schoepfer, K. Naujoks and P.H. Seeburg (Germany) 23
- Adenovirus-mediated gene transfer to cultured nodose sensory neurons
S.S. Meyrelles, R.V. Sharma, C.A. Whiteis, B.L. Davidson and M.W. Chapleau (USA) 33
- Limbic seizures induce neuropeptide and chromogranin mRNA expression in rat adrenal medulla
K. Tsunashima, M. Woltersdorfer, C. Schwarzer, G. Sperk and R. Fischer-Colbrie (Austria) 42
- Cloning, pharmacological characterization and distribution of a novel galanin receptor
Z. Fathi, A.M. Cunningham, L.G. Iben, P.B. Battaglino, S.A. Ward, K.A. Nichol, K.A. Pine, J. Wang, M.E. Goldstein, T.P. Iismaa and I.A. Zimanyi (USA, Australia) 49
- NGF content and expression in the rat pituitary gland and regulation by thyroid hormone
L. Calzà, L. Giardino and L. Aloe (Italy) 60
- Cloning and in situ hybridization analysis of the expression of polysialyltransferase mRNA in the developing and adult rat brain
G.K. Wood, J.-J. Liang, G. Flores, S. Ahmad, R. Quirion and L.K. Srivastava (Canada) 69
- Diabetes and axotomy-induced deficits in retrograde axonal transport of nerve growth factor correlate with decreased levels of p75^{LNTF} protein in lumbar dorsal root ganglia
J.-D. Delcroix, D.R. Tomlinson and P. Fernyhough (UK) 82
- Developmental regulation of Na⁺/myo-inositol cotransporter gene expression
W. Guo, S. Shimada, H. Tajiri, A. Yamauchi, T. Yamashita, S. Okada and M. Tohyama (Japan) 91
- Dexamethasone regulates basic fibroblast growth factor, nerve growth factor and S100 β expression in cultured hippocampal astrocytes
H. Niu, D.A. Hinkle and P.M. Wise (USA) 97
- Regulation of [γ -³H]aminobutyric acid transport by Ca²⁺ in isolated synaptic plasma membrane vesicles
P.P. Gonçalves, A.P. Carvalho and M.G.P. Vale (Portugal) 106
- Efficient coupling of 5-HT_{1A} receptors to the phospholipase C pathway in *Xenopus* oocytes
Y.G. Ni, M.M. Panicker and R. Miledi (USA) 115
- Axon-target interactions maintain synaptic gene expression in retinæ transplanted to intracranial regions of the rat
F. Hoover, M.H. Hankin, J.D. Radel, J.S. Reese and D. Goldman (USA) 123
- Regions outside of the Bcl-2 homology domains, BH1 and BH2 protect a dopaminergic neuronal cell line from staurosporine-induced cell death
Y.J. Oh, A. Uhland-Smith, J.-E. Kim and K.L. O'Malley (USA, Korea) 133
- Down-regulation of voltage-dependent sodium channels coincides with a low expression of $\alpha\beta_1$ subunit complexes
G. Alcaraz, B. Sampo, N. Tricaud, P. Giraud, M.-F. Martin-Eauclaire, F. Couraud and B. Dargent (France) 143
- A protein kinase C-activating phorbol ester enhances transcription of the human DBH gene through a cyclic AMP response element in SK-N-BE(2)C cells
J.-S. Kim, J.-S. Nam, H.-D. Chae and K.-T. Kim (South Korea) 154
- The secretory epithelial cells of the choroid plexus employ a novel kinesin-related protein
K.R. Rogers, M. Griffin and P.J. Brophy (UK) 161
- Induction of interleukin-1 β -converting enzyme (ICE) in murine microglia by lipopolysaccharide
J. Yao and R.W. Johnson (USA) 170
- In vitro phosphorylation of acetylcholinesterase at non-consensus protein kinase A sites enhances the rate of acetylcholine hydrolysis
M. Grifman, A. Arbel, D. Ginzberg, D. Glick, S. Elgavish, B. Shaanan and H. Soreq (Israel) 179

(contents continued on p. 244)



0169-328X(199711)51:1/2;1-G

(contents continued)

Differential expression of the AP-1/CRE-binding proteins FOS and CREB in preproenkephalin mRNA-expressing neurons of the rat parabrachial nucleus after nociceptive stimulation O. Hermanson and A. Blomqvist (Sweden)	188
Neuronal subtype-specific expression directed by the GABA _A receptor δ subunit gene promoter/upstream region in transgenic mice and in cultured cells B. Lüscher, R. Häuselmann, S. Leitgeb, T. Rülcke and J.-M. Fritschy (Switzerland)	197
Activation of the GABA _A -receptor δ -subunit gene promoter following pentylentetrazole-induced seizures in transgenic mice S. Penschuck, B. Lüscher, J.-M. Fritschy and F. Crestani (Switzerland)	212
Brain-derived neurotrophic factor stimulates phosphorylation of stathmin in cortical neurons J.-R. Cardinaux, P.J. Magistretti and J.-L. Martin (Switzerland)	220
Molecular cloning of a novel member of semaphorin family genes, semaphorin Z K. Kikuchi, H. Ishida and T. Kimura (Japan)	229

Short communications

Mutation of a conserved fifth transmembrane domain lysine residue (Lys ²¹⁵) attenuates ligand binding in the angiotensin II type 2 receptor D.K. Yee, L.R. Kisley, J.N. Heerding and S.J. Fluharty (USA)	238
---	-----

Author Index

242